Java REST Essentials (TT7305)

Category: Software Development & Programming | **Vendor:** Trivera Tech

Duration: 16.00 hours (2 days) **13.0 CPD Hours** **Rating:** ⭐ 4.6 (5,878 reviews)

Course Information

Delivery Format: Instructor Led - Online

Course Overview

Geared for experienced Java developers, Java REST Essentials is a two day, lab-intensive services training course that introduces developers to the core concepts, principles, and Java implementations for RESTful services. Today's development environments are increasingly dominated by sophisticated tooling that makes the implementation of RESTful services less arduous. The proper design of these services is far more complex and demanding. Java RESTful Service Essentials focuses on providing an understanding of the fundamental principles and technologies that are used in building these services. This understanding is critical to being able to diagnose, troubleshoot, tune, and perform other lifecycle activities.

About This Course

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Who Should Attend

This is an intermediate level training course, designed for experienced Java developers and architects who need to identify, design, and implement web services. We will explore and apply the terminology, the specification, the processes and technologies specific to web services. Students should have at least a year of practical development experience with Java and servlets, and should be familiar with XML and JSON.

Learning Outcomes

Upon successful completion of this course, participants will be able to:

This “skills-centric” course is about 50% hands-on lab and 50% lecture, designed to train attendees in core RESTful development skills, coupling the most current, effective techniques with the soundest industry practices. Working within in a hands-on learning environment, guided by our expert team, attendees will learn to:

Understand and apply the basic concepts of REST

Understand and intelligently discuss the similarities and differences between RESTful services and SOAP-based services

Appreciate the security concerns associated with RESTful services

Design, develop, and deploy real-world RESTful Services

Effectively define and design endpoints

Work with query parameters

Determine the best format to use for exchanging data

Understand the principles associated with HTTP methods and how to stay congruent to them

Extend the semantics of the RESTful service beyond the HTTP methods

Implement RESTful services using JAX-RS to

Handle various HTTP methods

Use different approaches for parameters

Deal with content negotiation

Work with different data formats including XML and JSON

Handle exceptions

Implement RESTful Java clients

Develop JAX-RS Java clients using the JAX-RS 2.0 Client API

Manage different Web targets

Deal with content negotiation on the client

Work with different data formats including XML and JSON

Properly process server responses

Implement JAX-RS Filters and Interceptors

Intercept and manipulate service requests and responses

Dynamically register interceptor to resources

Understand the concept of NameBinding

Discover asynchronous JAX-RS processing

Implement an asynchronous JAX-RS service endpoint

Register response listeners

Detailed Course Outline

Session: Working with REST

- Overview of REST
- Designing RESTful Services

JAX-RS

- Lesson: Introduction to JAX-RS
- @Path: URI Matching
- JAX-RS Content Negotiation
- JAX-RS Request and Response
- JAX-RS Client API
- JAX-RS Filters and Interceptors
- Asynchronous JAX-RS

Additional Course Details

Nexus Humans Java REST Essentials (TT7305) training program is a workshop that presents an invigorating mix of sessions, lessons, and masterclasses meticulously crafted to propel your learning expedition forward.

This immersive bootcamp-style experience boasts interactive lectures, hands-on labs, and collaborative hackathons, all strategically designed to fortify fundamental concepts.

Guided by seasoned coaches, each session offers priceless insights and practical skills crucial for honing your expertise. Whether you're stepping into the realm of professional skills or a seasoned professional, this comprehensive course ensures you're equipped with the knowledge and prowess necessary for success.

While we feel this is the best course for the Java REST Essentials (TT7305) course and one of our Top 10 we encourage you to read the course outline to make sure it is the right content for you.

Additionally, private sessions, closed classes or dedicated events are available both live online and at our training centres in Dublin and London, as well as at your offices anywhere in the UK, Ireland or across EMEA.

Frequently Asked Questions

Q: What delivery options are available for Java REST Essentials (TT7305)?

We offer multiple delivery formats:

- Live Instructor-Led Classroom Online (Virtual/Live Online)
- Traditional Instructor-Led Classroom Training (ILT)
- On-site delivery at your offices anywhere in United Kingdom
- Private dedicated courses customized for your team

Q: How many CPD hours does this course provide?

The 2-day Java REST Essentials (TT7305) course provides up to 13.0 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the Java REST Essentials (TT7305) training?

The training takes place over 2 day(s), with each day lasting approximately 16.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for Java REST Essentials (TT7305)?

Yes, we provide corporate training, dedicated training, and closed classes for Java REST Essentials (TT7305). Training can take place anywhere in United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online allowing teams from across United Kingdom or internationally to attend.

Q: Why choose Nexus Human for Java REST Essentials (TT7305)?

Nexus Human is recognized as one of the leading training providers. Our trainers have won multiple awards including:

- Small Firms Best Trainer Award
- National Training Partner of the Year (Ireland) - Multiple Years
- Global Top 30 Instructor Awards (2012, 2019, 2021)
- Tech Excellence Award Nominations
- Learning Performance Institute (LPI) External Training Provider Sponsor 2024

Q: Are there any discount codes available?

Yes! Use discount code **PENPAL5** when booking your Java REST Essentials (TT7305) training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

Nexus Human

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